1259.0.30.001 - Australian Standard Geographical Classification (ASGC) Digital Boundaries (Intercensal), Australia, July 2010

Summary

Product Brief

PRODUCT BRIEF

The Australian Standard Geographical Classification (ASGC) is a hierarchical classification system of geographical areas and consists of a number of interrelated structures. It provides a common framework of statistical geography and enables the production of statistics which are comparable and can be spatially integrated.

This product, **Australian Standard Geographical Classification (ASGC) Digital Boundaries, Australia 2010** (cat. no. 1259.0.30.001), contains the digital boundaries current for the ASGC Edition 2010 (date of effect 1 July 2010). The digital boundaries are presented in MapInfo Interchange Format and ESRI Shapefile Format, and are based on the datum GDA94.

The ASGC covers Geographic Australia including the external territories of Cocos (Keeling) Islands & Christmas Island, but excluding all other external territories.

The product includes boundaries of Local Government Areas, Statistical Local Areas, Statistical Divisions, Statistical Subdivisions, States, Statistical Districts, Major Statistical Regions, Statistical Regions and Statistical Region Sectors, current at 1 July 2010. The digital boundaries are available only at one level of detail. These boundaries are intended for import and display in GIS and desktop mapping packages and, because of the high level of detail, they are not suitable for use in 'low-end' mapping packages such as those included in Excel.

Note that it is vitally important to understand which edition of the ASGC has been applied to the statistical data which you are analysing. ABS data are generally disseminated on either the ASGC edition used for the collection and dissemination of Census data (2006) or the edition which was current when data was being collected.

Operating Environment

The digital boundary files are in MapInfo Interchange Format (.MID, .MIF) and ESRI Shapefile (.shp) format. MapInfo Interchange Format can be imported directly into MapInfo and other common Geographic Information Systems (GIS) or desktop mapping packages. The .MID .MIF files are text format and can be edited and manipulated for import to less common GIS and CAD systems.

The .MID .MIF files cannot be used directly with viewing tools such as MapInfo ProViewer.

The digital boundary files have the datum specified as 116 (GDA94). Users of MapInfo 6.0 or later are able to load data sets based on GDA94 directly, without transformation. Earlier versions of MapInfo cannot interpret GDA94 correctly and there may be alignment problems between data sets based on this datum and other earlier datums.

File Nomenclature

Each file name has the format <file type><10><a><AUST> where:

> <file type> represents the type of boundaries in each file
>> SLA = Statistical Local Area
>> SSD = Statistical Subdivision
>> SD = Statistical Division
>> STE = State
>> SDIST = Statistical District
>> LGA = Local Government Area
>> SRS = Statistical Region Sector
>> SR = Statistical Region
>> MSR = Major Statistical Region
>
> <10> represents 2010 the year of the Australian Standard Geographical Classification (ASGC) Edition
>
> <a> indicates the data is at a high level of detail i.e. "all points" data
>
> <AUST> indicates the data covers all of Australia as defined in ABS publication Catalogue Number 1216.0

Within the files, the States/Territories are identified by unique one digit codes.

Code	S/T
1	New South Wales
2	Victoria
3	Queensland
4	South Australia
5	Western Australia
6	Tasmania
7	Northern Territory
8	Australian Capital Territory
9	Other Territories

File Attributes

All column headers show spatial unit type, spatial unit attribute and year of edition.

File Type	Attributes	Comments
SLA	STATE_CODE_2010	1 digit State/Territory code

	SLA_MAINCODE_2010	9 digit Main Structure code
	SLA_NAME_2010	
	SLA_5DIGITCODE_2010	5 digit SLA code
	SLA_REGIONCODE_2010	9 digit SLA Region code
SSD	STATE_CODE_2010	1 digit State/Territory code
	SSD_CODE_2010	5 digit Main Structure code
	SSD_NAME_2010	
SD	STATE_CODE_2010	1 digit State/Territory code
	SD_CODE_2010	3 digit State/Territory code
	SD_NAME_2010	
STE	STATE_CODE_2010	1 digit State/Territory code
	STATE_NAME_2010	
LGA	STATE_CODE_2010	1 digit State/Territory code
	LGA_CODE_2010	5 digit Local Government Area Structure code
	LGA_NAME_2010	
SDIST	SDIST_CODE_2010	4 digit Statistical District Structure code
	SDIST_NAME_2010	
SRS	STATE_CODE_2010	1 digit State/Territory code
	SRS_CODE_2010	5 digit Statistical Region Structure code
	SRS_NAME_2010	
SR	STATE_CODE_2010	1 digit State/Territory code
	SR_CODE_2010	4 digit Statistical Region Structure code
	SR_NAME_2010	
MSR	STATE_CODE_2010	1 digit State/Territory code
	MSR_CODE_2010	2 digit Statistical Region Structure code
	MSR_NAME_2010	

Data Quality

The ASGC Edition 2010 digital boundaries are based upon the SLA boundaries of the ASGC Edition 2010. The higher level spatial units were aggregated from ASGC Edition 2010 SLA level.

While the topological consistency of the data can be regarded as high there may be very small errors such as gaps, overlaps and bow-ties.

Metadata

Refer to the Explanatory Notes for the Metadata Proforma in this product.

Reference

Information regarding the underlying concepts of the Australian Standard Geographical Classification and its Structures may be found in the ABS publication **Australian Standard Geographical Classification (ASGC) 2010** (cat. no. 1216.0). A publication is produced for each edition of the ASGC and the publication for the ASGC Edition 2010 will be available from 16 September 2010.

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For more information on statistical geography please view the ABS Geography portal.

For enquiries please contact the ABS Geography Section, see details below.

ABS Geography Section

Email: geography@abs.gov.au

About this Release

Digital boundaries for the Australian Standard Geographical Classification (ASGC) intercensal editions. Boundaries are available for Statistical Local Areas and higher level spatial units.

The digital boundaries are supplied in MapInfo Interchange Format and ESRI Shapefile Format. They are based upon the Geocentric Datum of Australia (GDA) 1994.

Explanatory Notes

Explanatory Notes

GEOGRAPHY METADATA PROFORMA

Dataset Custodian

Title

Australian Standard Geographical Classification (ASGC) Digital Boundaries (Intercensal), Australia (cat. no. 1259.0.30.001)

Custodian

ABS Geography Section

Email: geography@abs.gov.au

Description

Abstract

The digital boundaries for this edition of the ASGC are consistent with the spatial units described in the structures of the ASGC 2010. Date of effect of this edition is 1 July 2010. Digital boundaries are for Statistical Local Area (SLA), Statistical Subdivision (SSD), Statistical Division (SD), Local Government Area (LGA), Statistical District (SDIST), Major Statistical Region (MSR), Statistical Region (SR), Statistical Region Sector (SRS) and State/

Territory (STE).

Geographic Extent Name

Geographic Australia; including the external territories of Cocos (Keeling) Islands & Christmas Island but excluding all other external territories.

Data Currency

Beginning date: 1 July 2010

End date: Current

Data Status

Progress: Completed dataset

Maintenance and Update Frequency: No further updates are planned

Data Access

Stored Data Format

Digital as separate files for each level of the ASGC 2010 structures represented.

Available Format Type

MapInfo Interchange Format (mid/mif) and ESRI Shapefile Format (.shp)

Access Constraints

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Data Quality

Lineage

SLA boundaries are aligned to the PSMA digital topographic database. Higher level spatial units are aggregated from the SLA level.

Positional Accuracy

The PSMA topographic database to which boundaries are aligned was captured at scales which vary from 1:4,000 in urban areas to 1:250,000 in remote areas.

Attribute Accuracy

Geographical area codes and labels are 100% validated to the 2010 edition codes and labels of the structures represented. (Reference is cat. no. 1216.0).

Logical Consistency

Spatial units are closed polygons. Polygons are attributed with ASGC 2010 codes and

labels. Slivers/bow-ties may be present within or between spatial units. These data include attribute records without spatial objects for administrative purposes.

Completeness

Four structures defined for the ASGC 2010 are represented - all levels of each of those structures are represented. The four structures represented are the Main Structure, Local Government Area Structure, Statistical District Structure and Statistical Region Structure.

Co-ordinate Systems

Datum

Geocentric Datum of Australia 1994 (GDA94)

Projection

Geographical (ie. latitudes and longitudes)

Metadata Date

July 2010

Additional Metadata

Reference: **Australian Standard Geographical Classification (ASGC) 2010** (cat. no. 1216.0); **Australian Standard Geographical Classification (ASGC) - Electronic Structures 2010** (cat. no. 1216.0.15.001) and **Australian Standard Geographical Classification (ASGC) Correspondences 2010** (cat. no. 1216.0.15.002).

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Abbreviations - Short List

ABBREVIATIONS
ASGC	Australian Standard Geographical Classification
LGA	local government area
MSR	major statistical region
S Dist	statistical district
SD	statistical division
SLA	statistical local area
SR	statistical region
SRS	statistical region sector
SSD	statistical subdivision